

FIG. 1

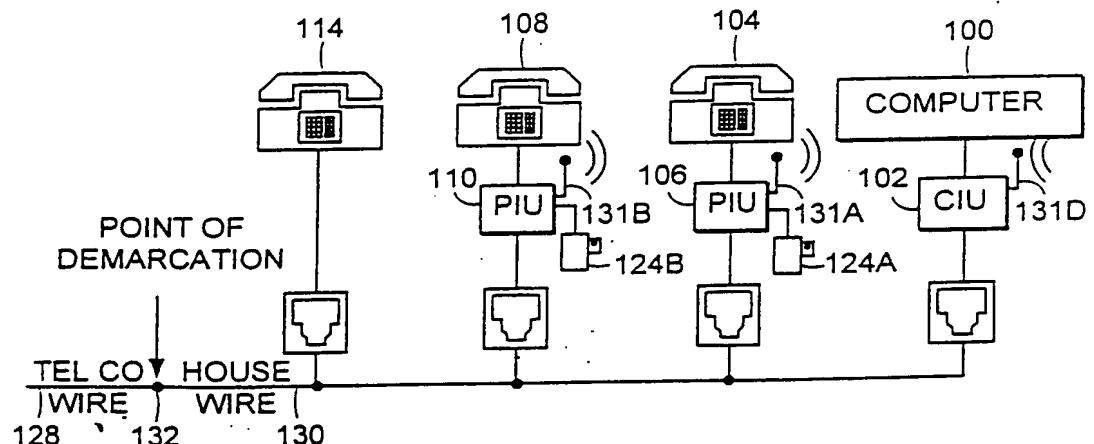


FIG. 2

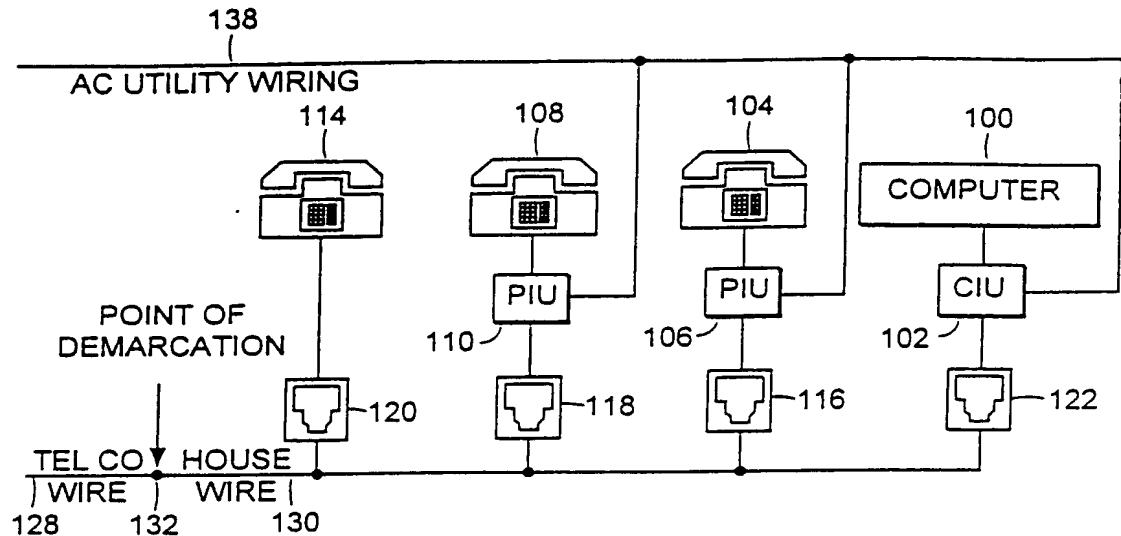


FIG. 3

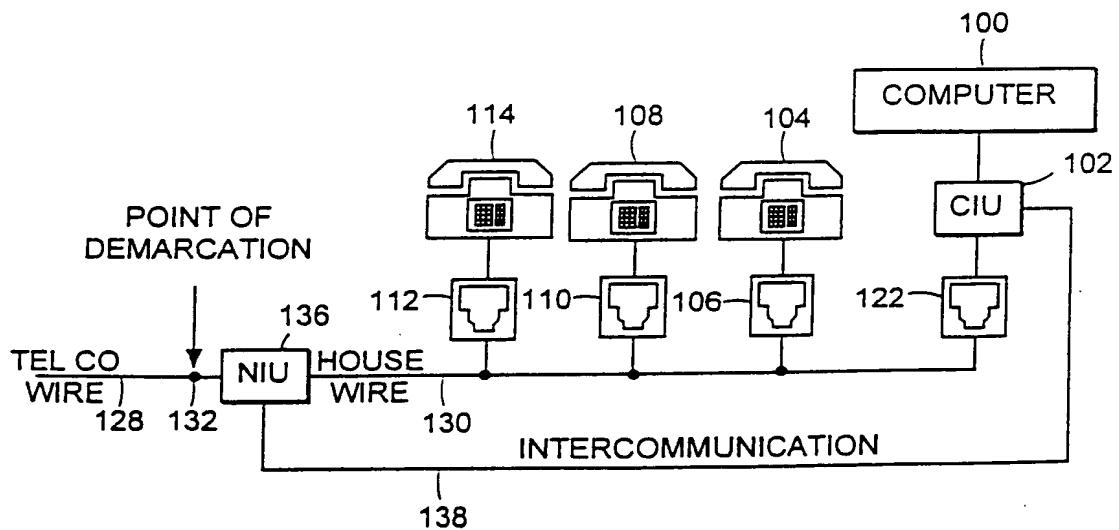


FIG. 4

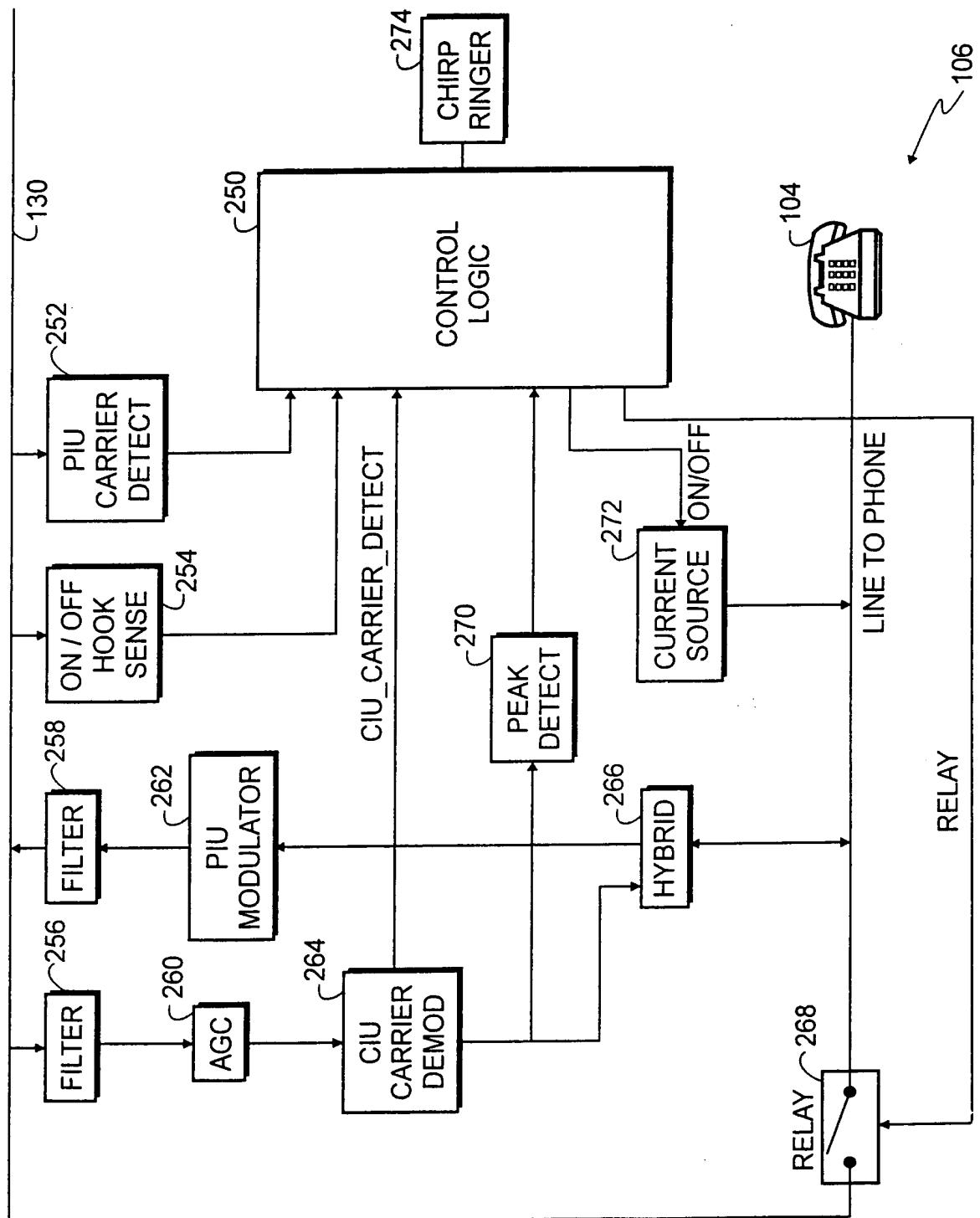


FIG. 5A

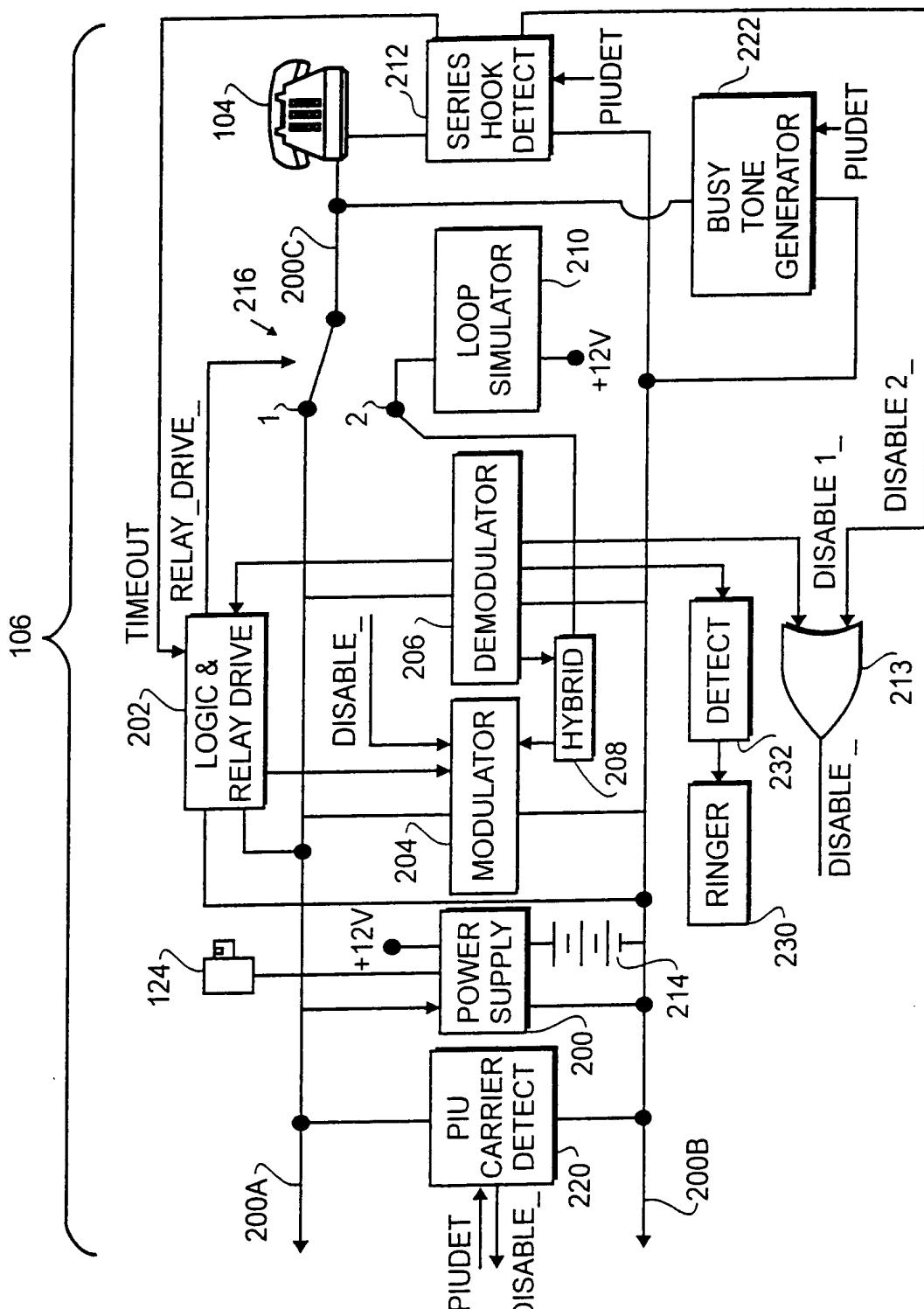
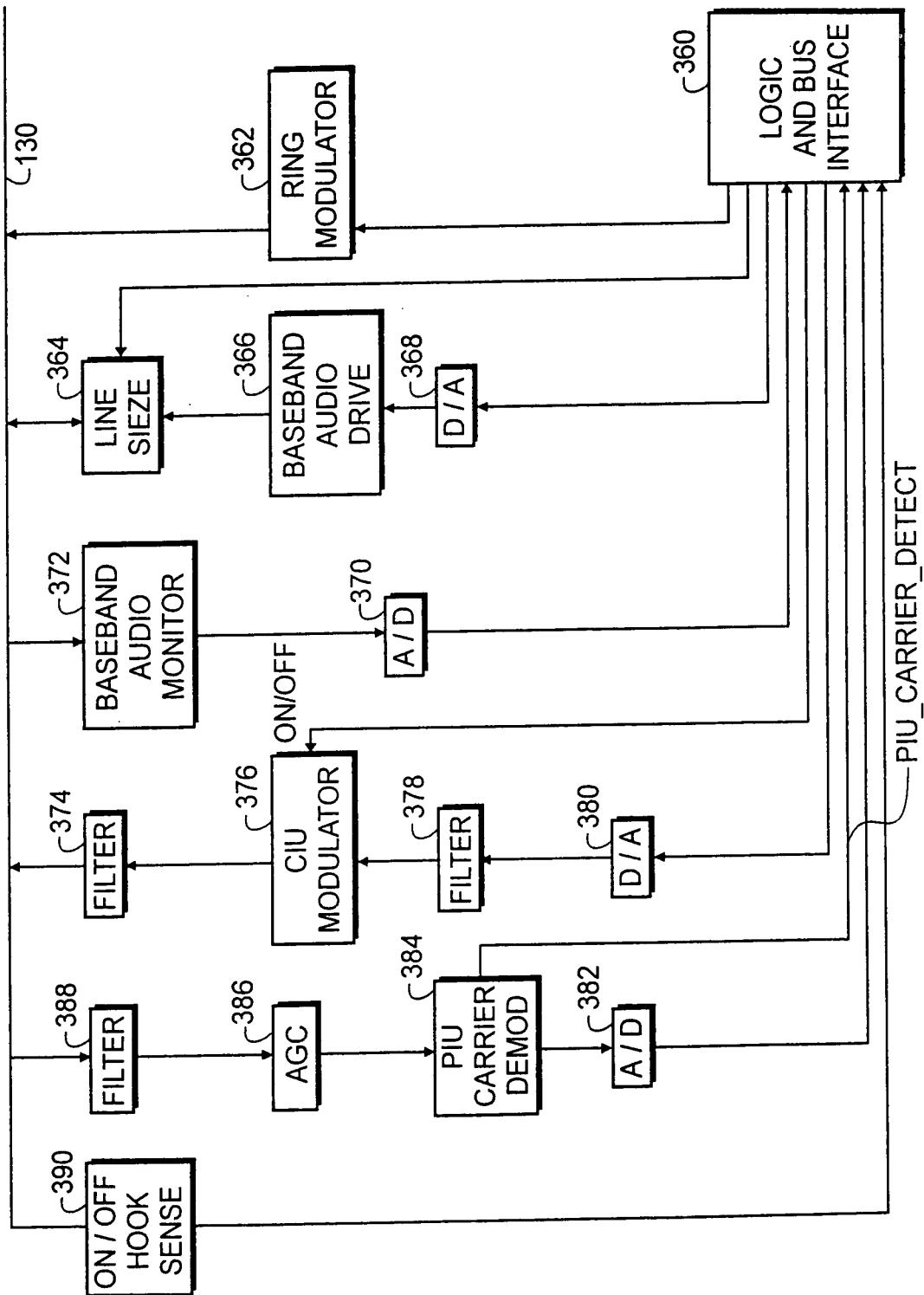


FIG. 5B

FIG. 6A



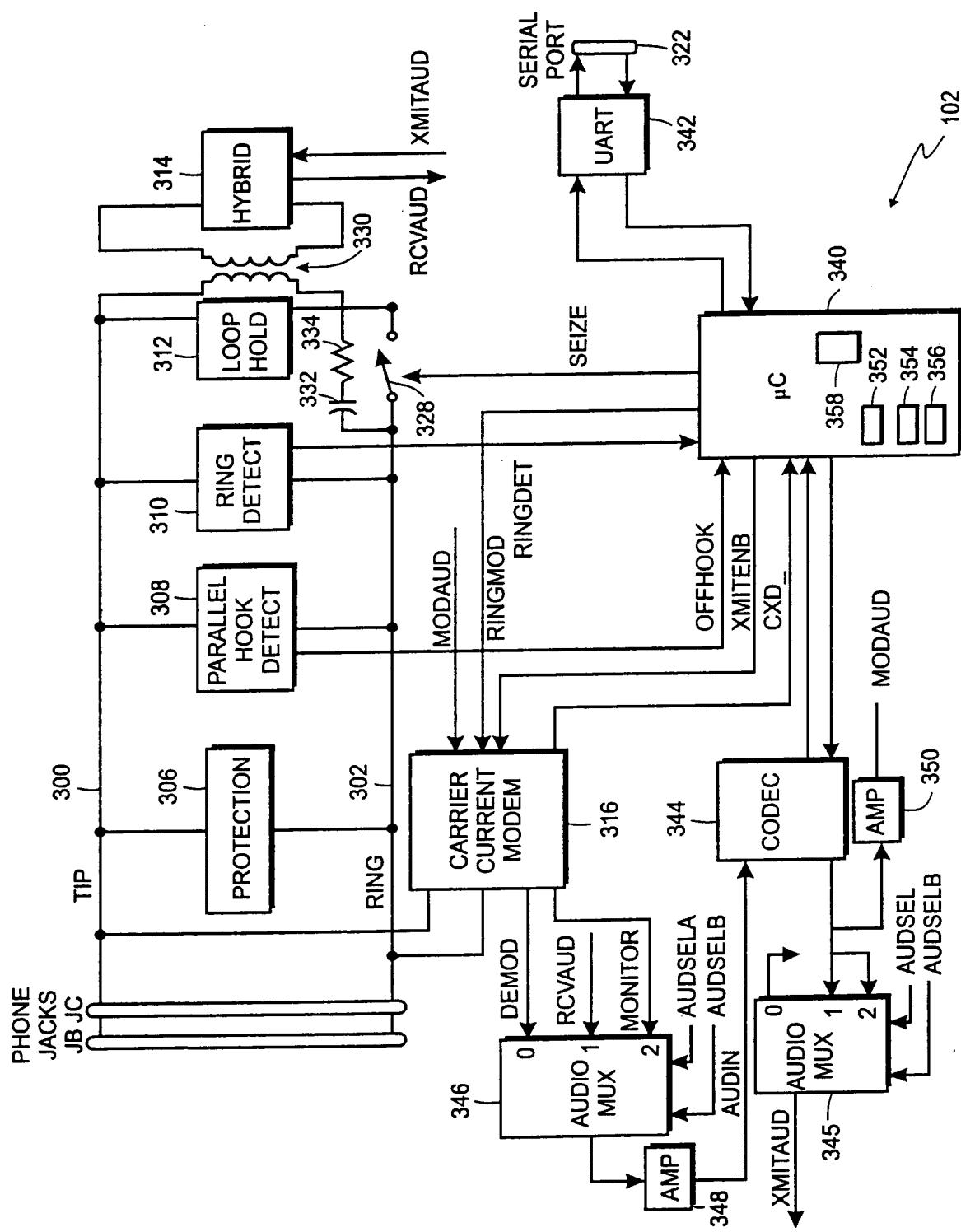


FIG. 6B

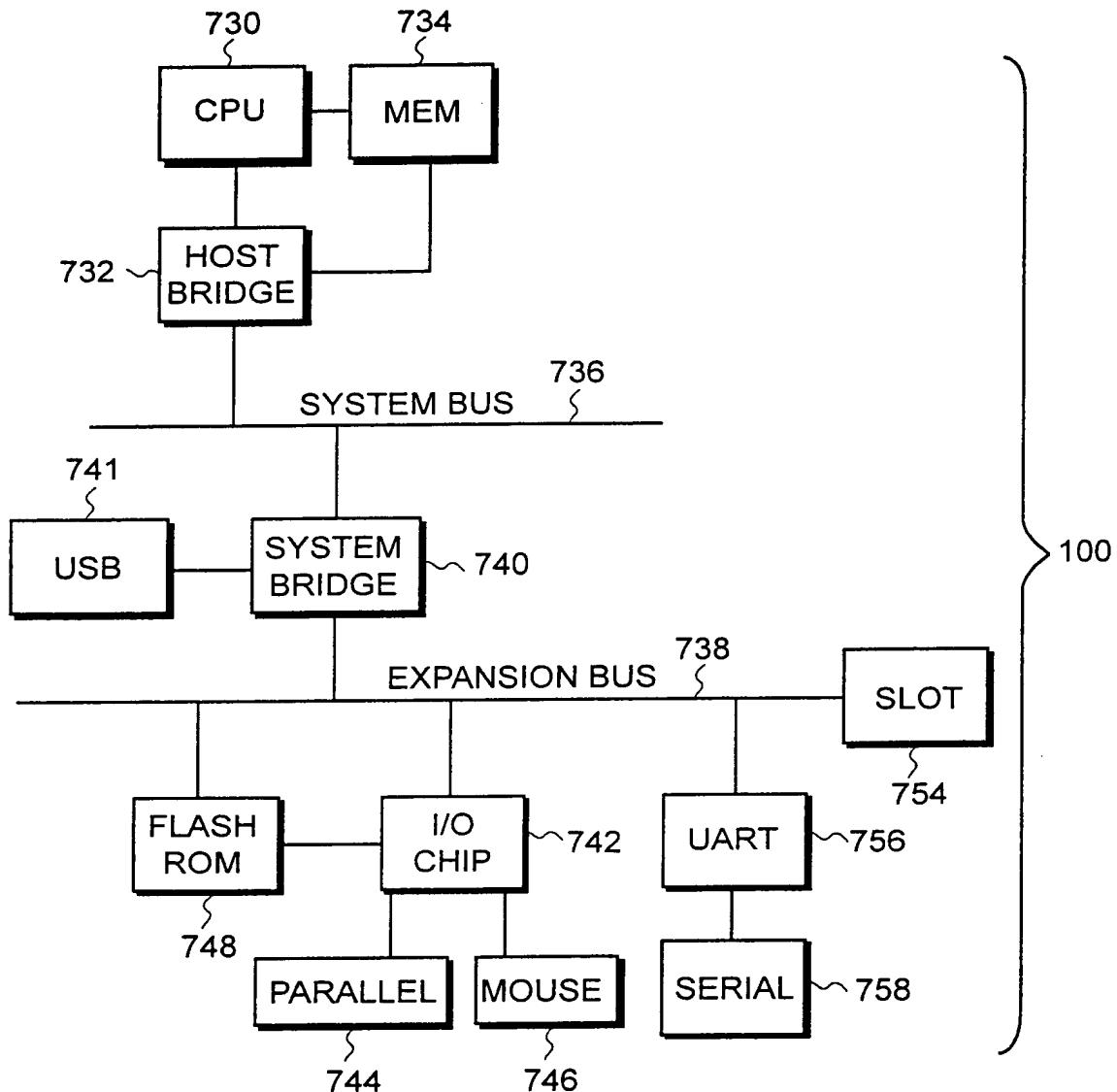


FIG. 7

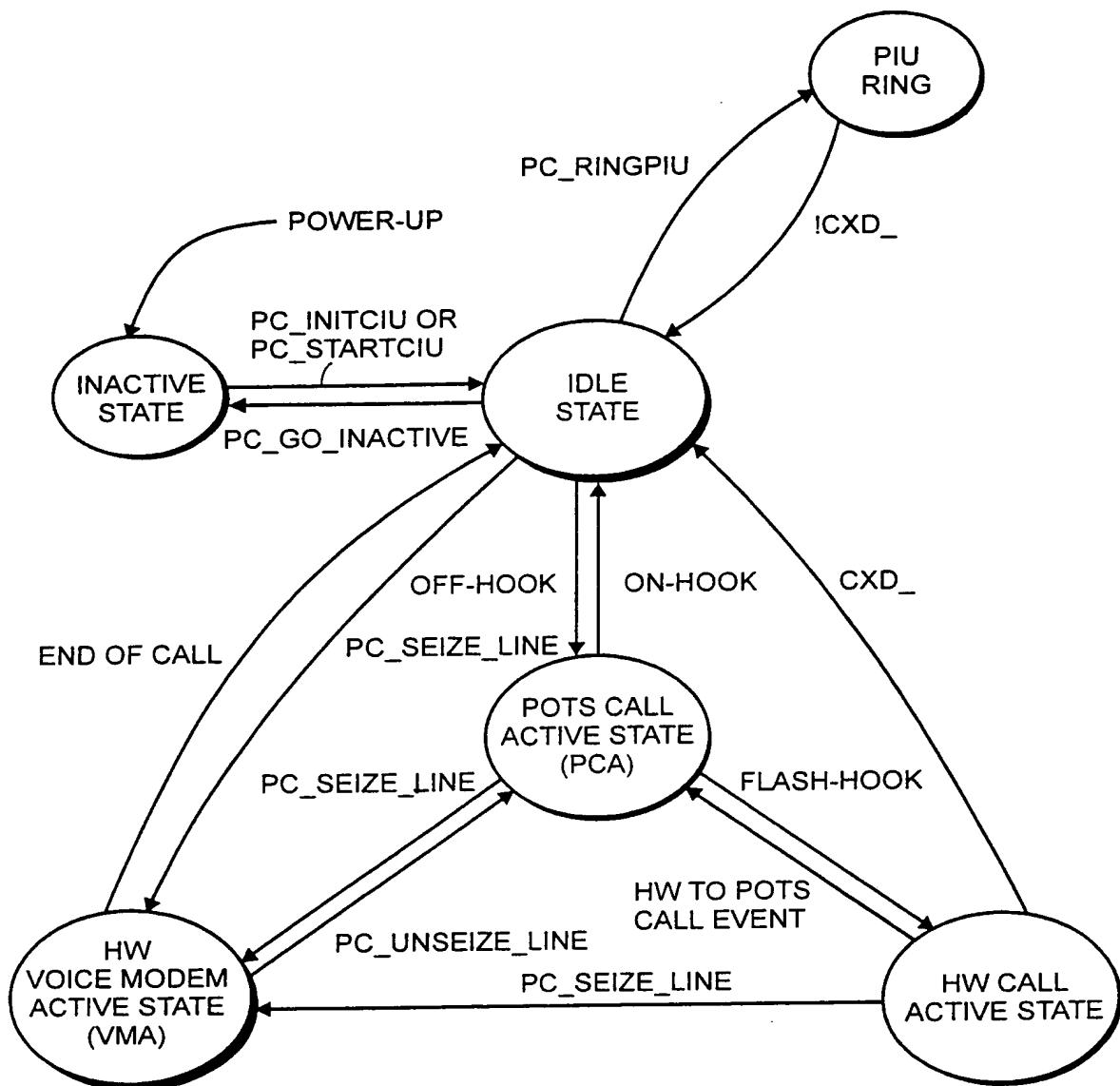


FIG. 8

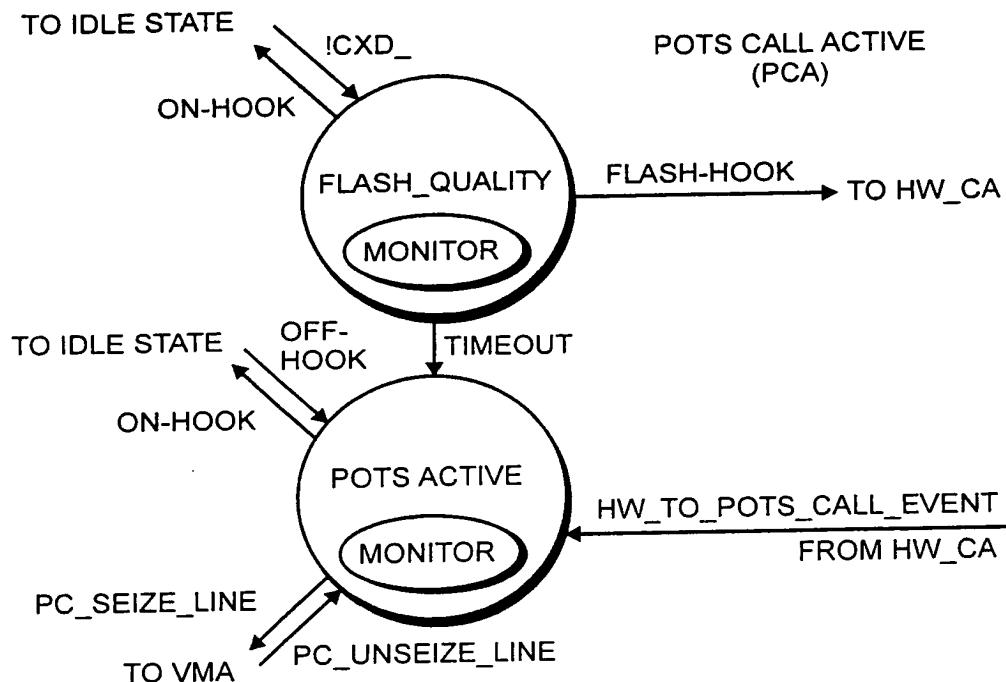


FIG. 9A

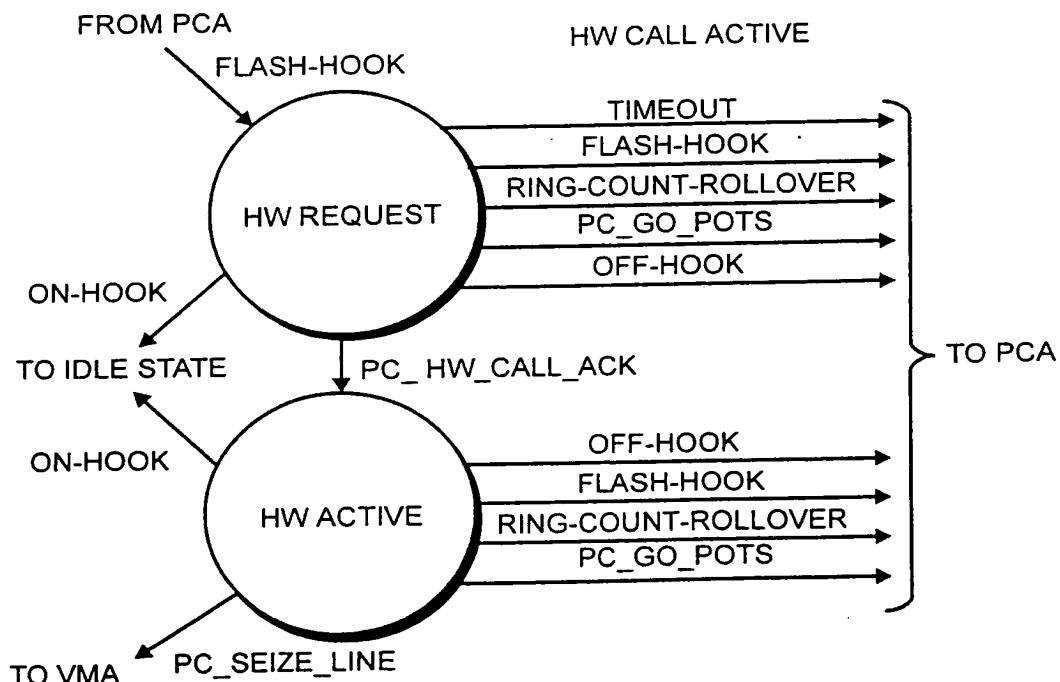


FIG. 9B

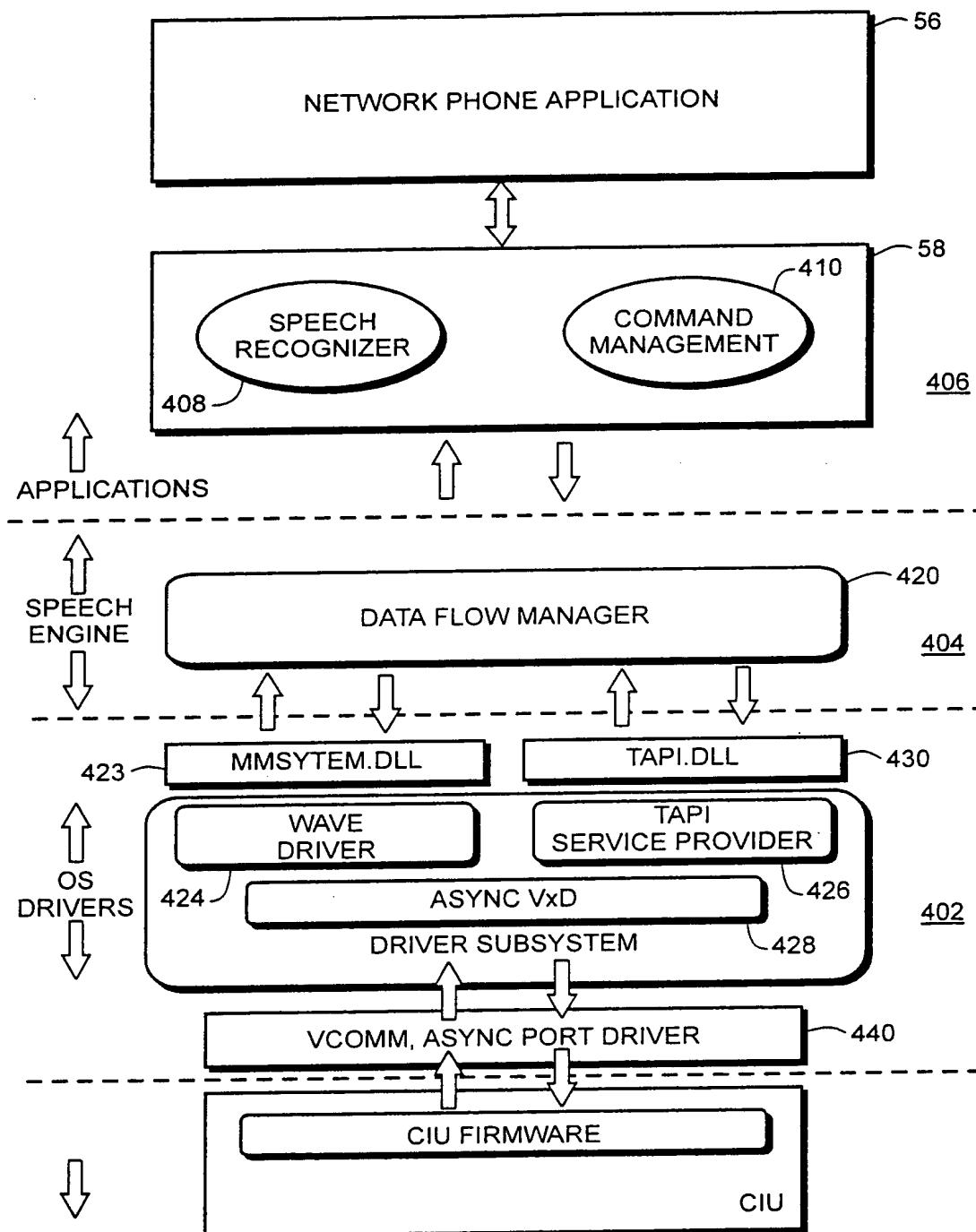


FIG. 10

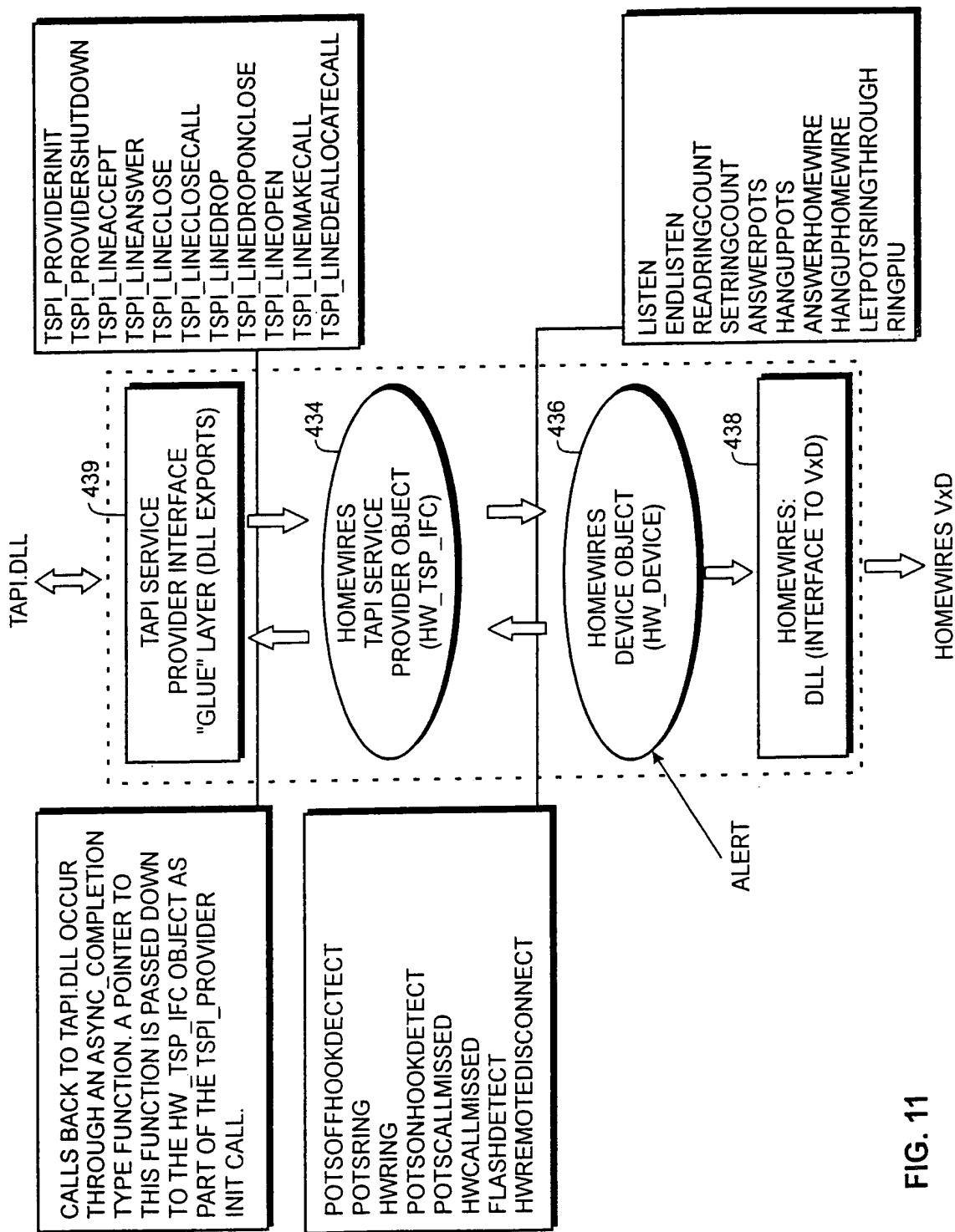


FIG. 11

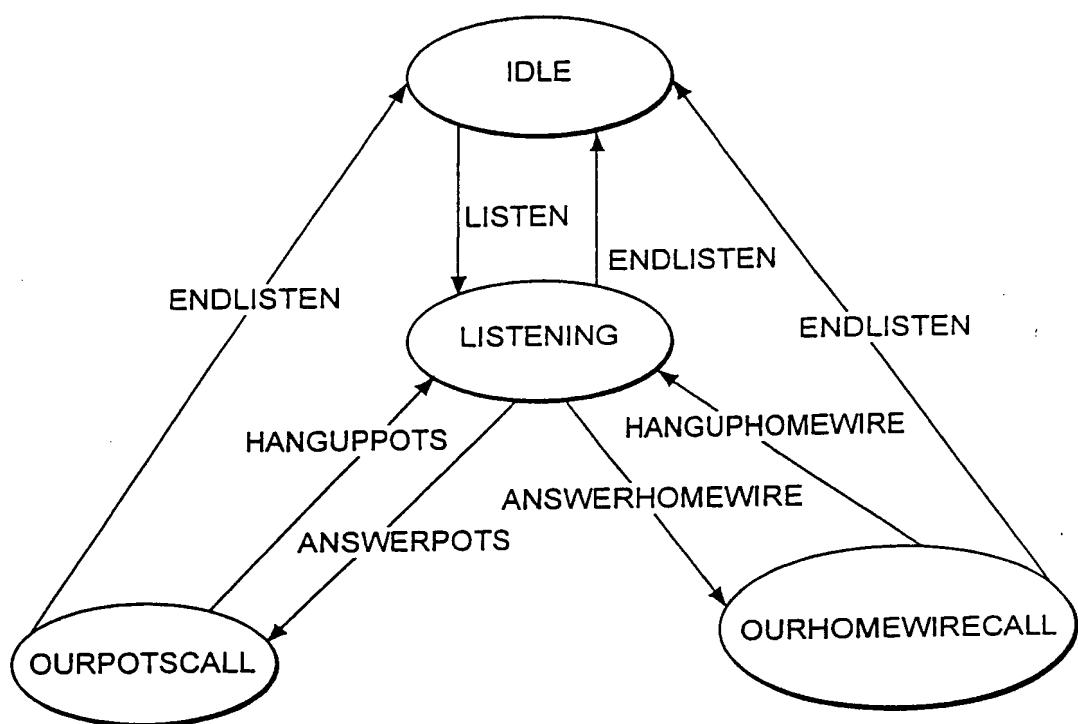


FIG. 12

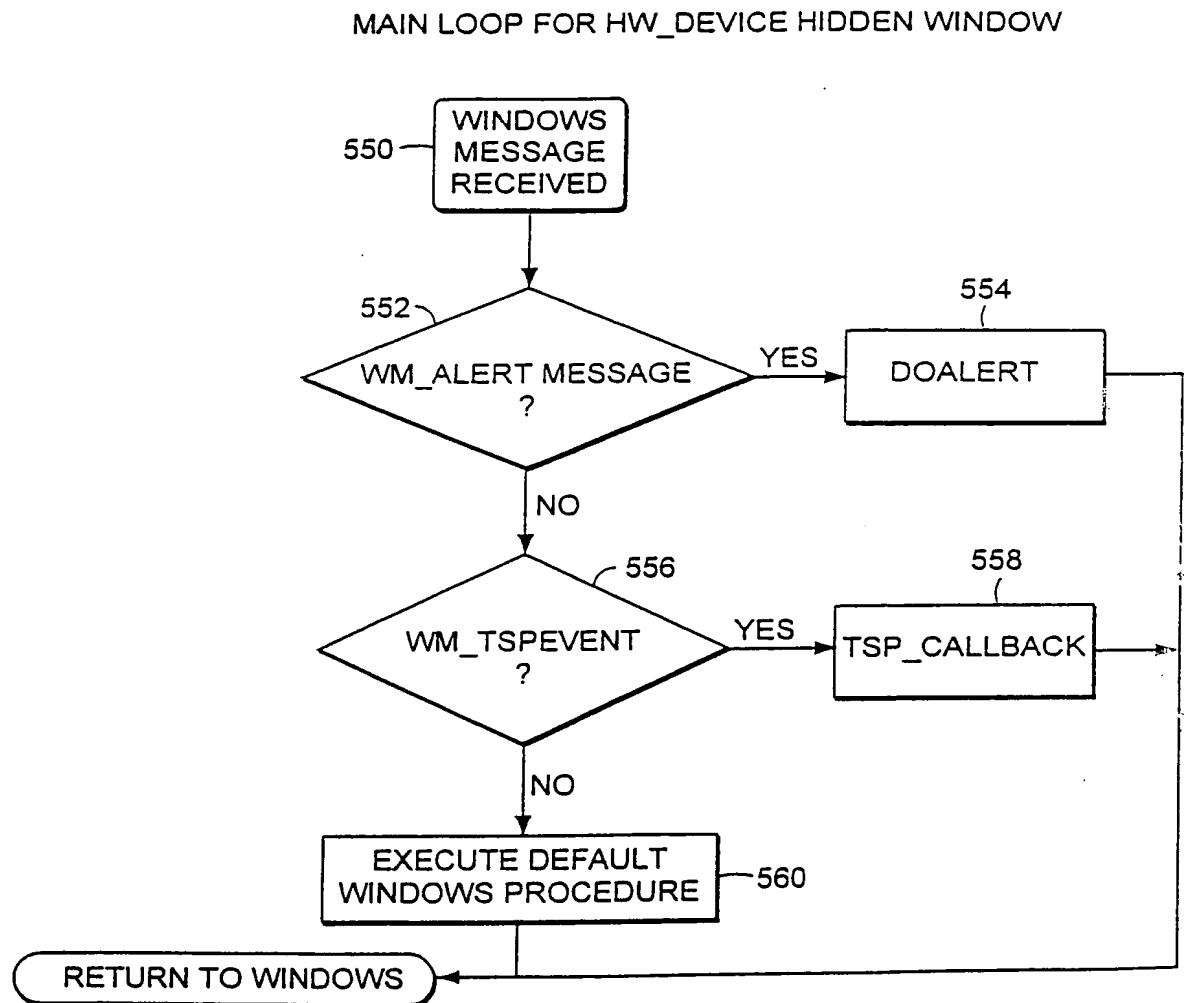


FIG. 13

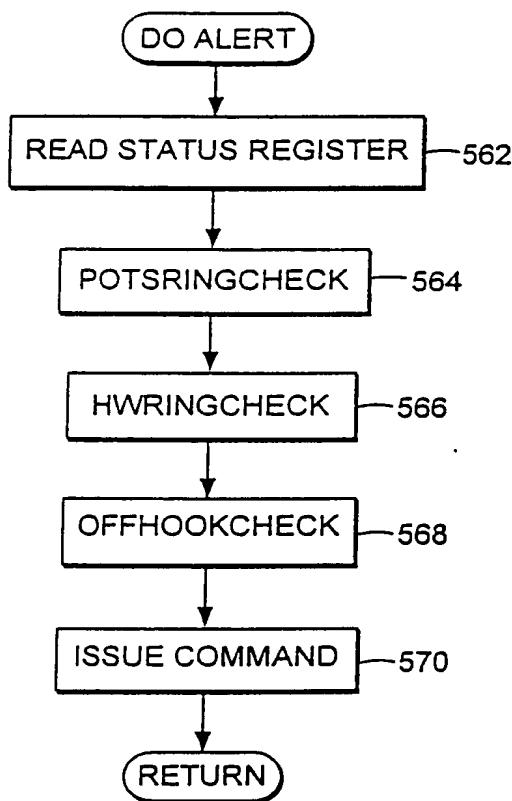


FIG. 14

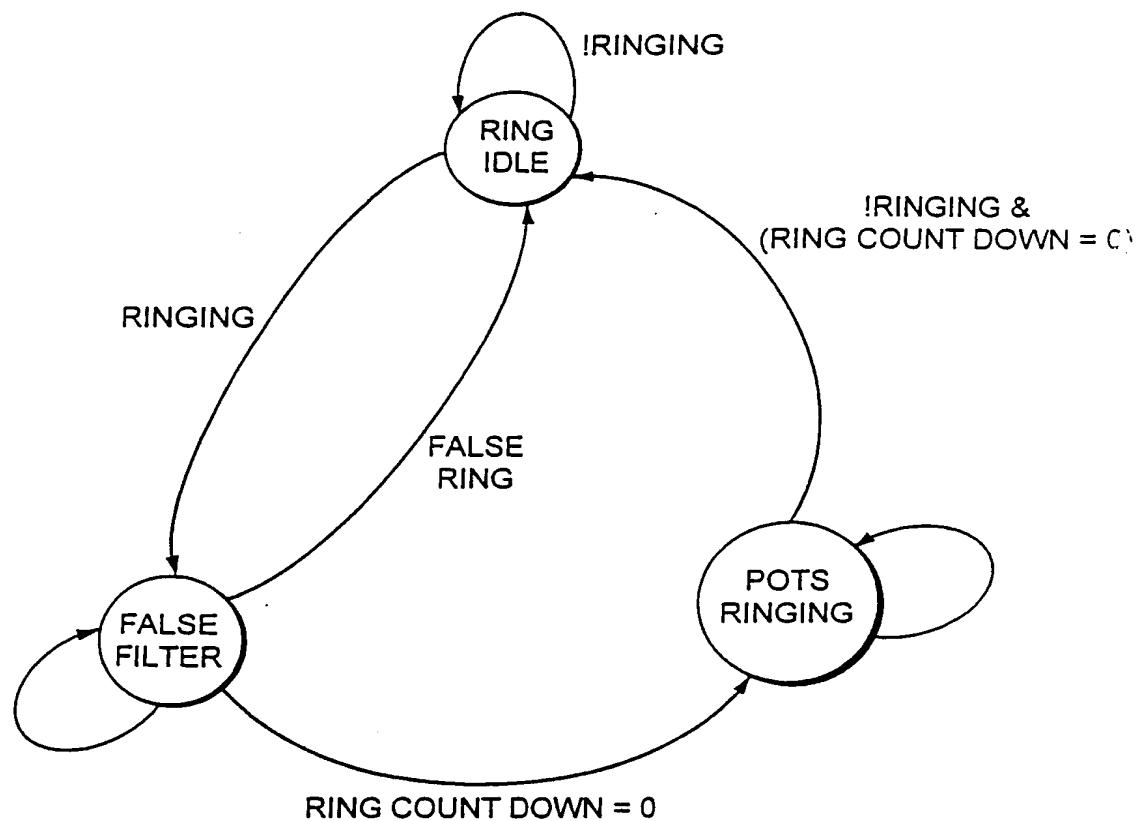
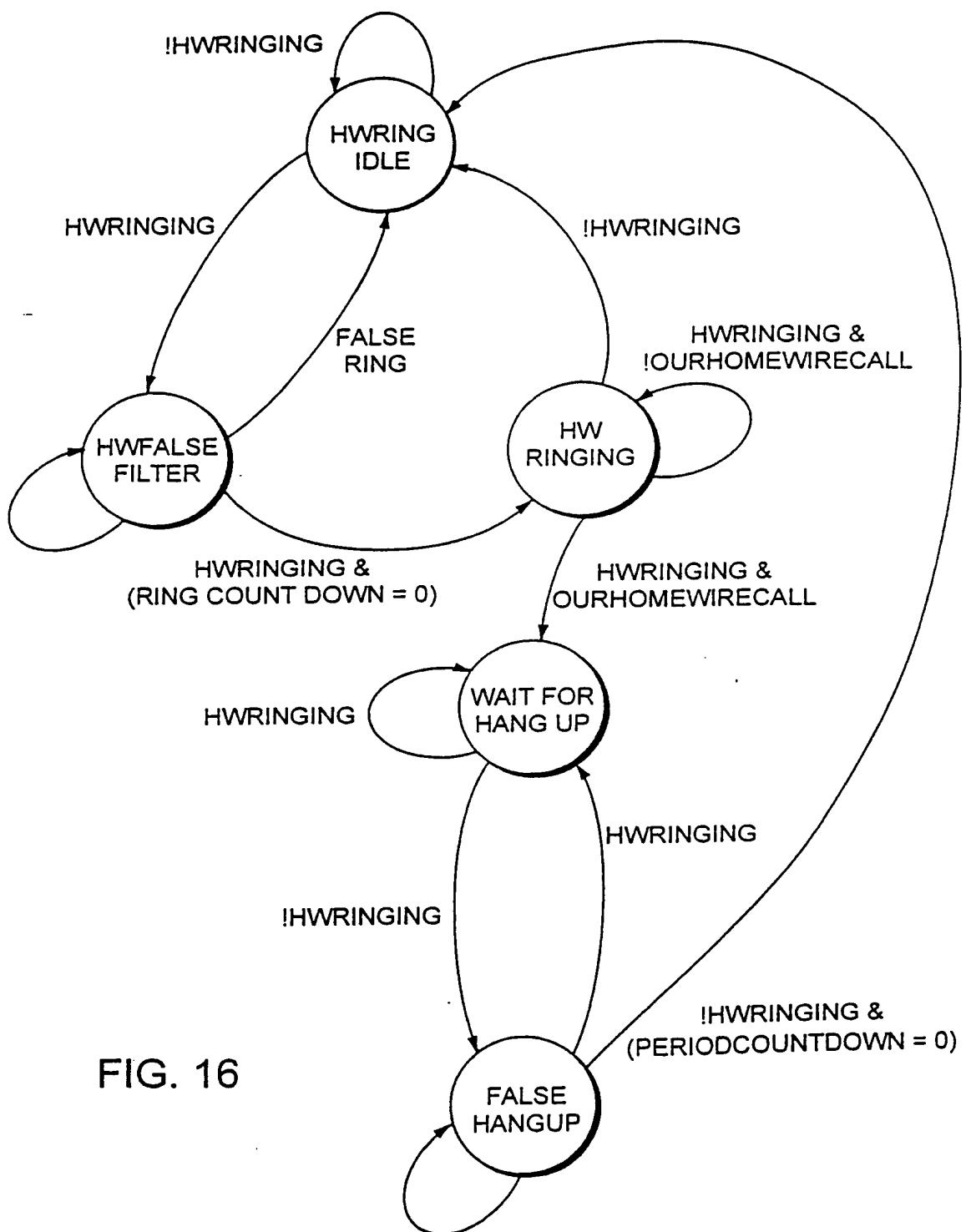


FIG. 15



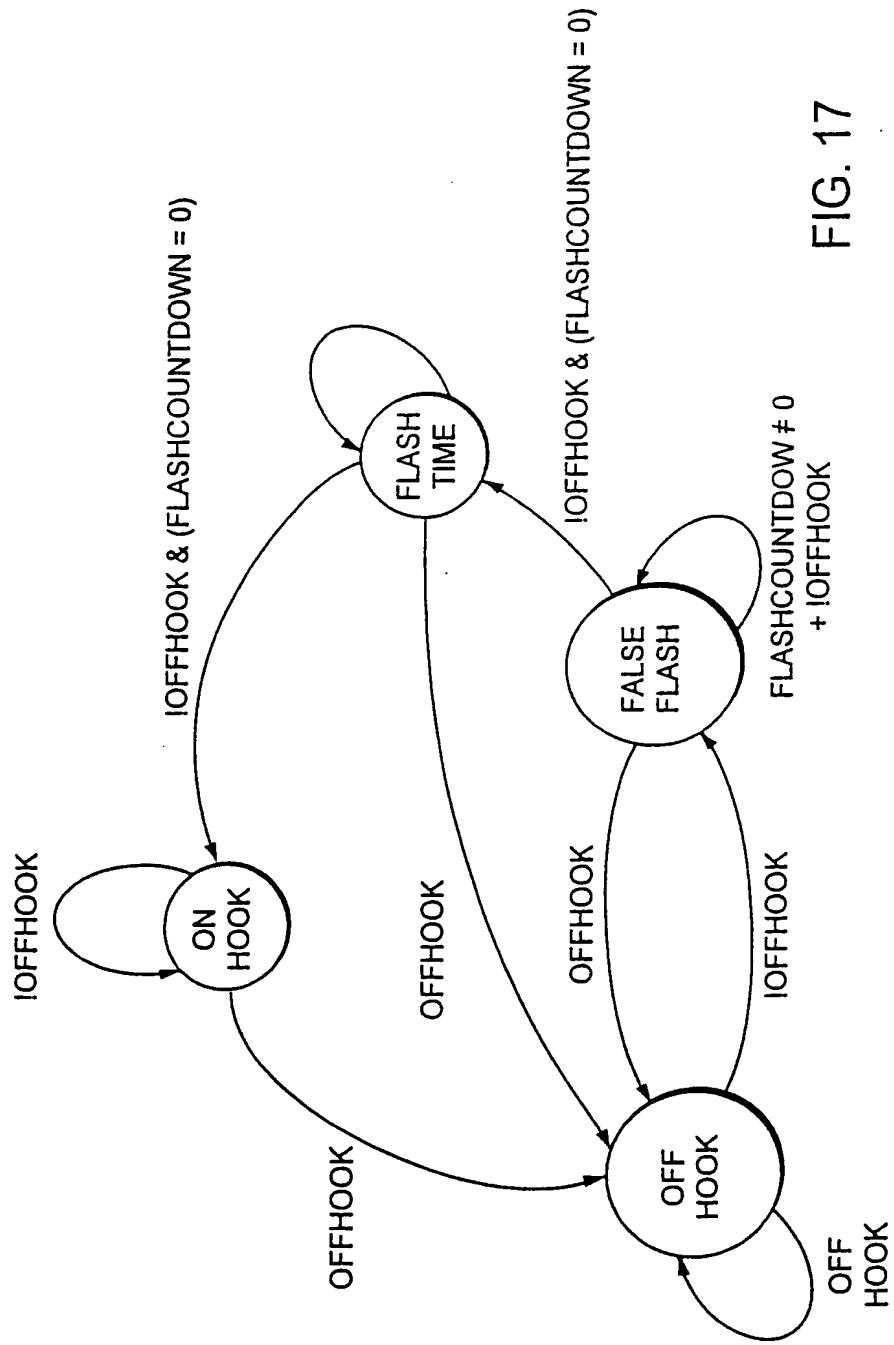


FIG. 17

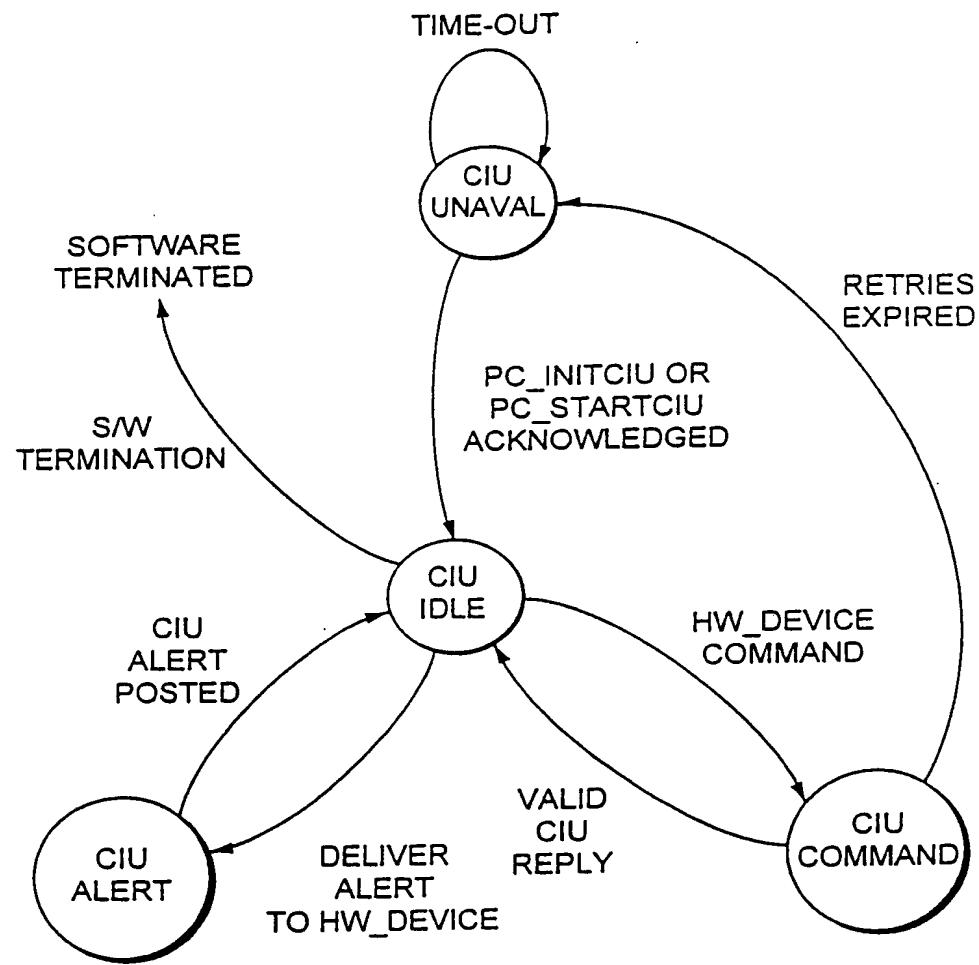


FIG. 18A

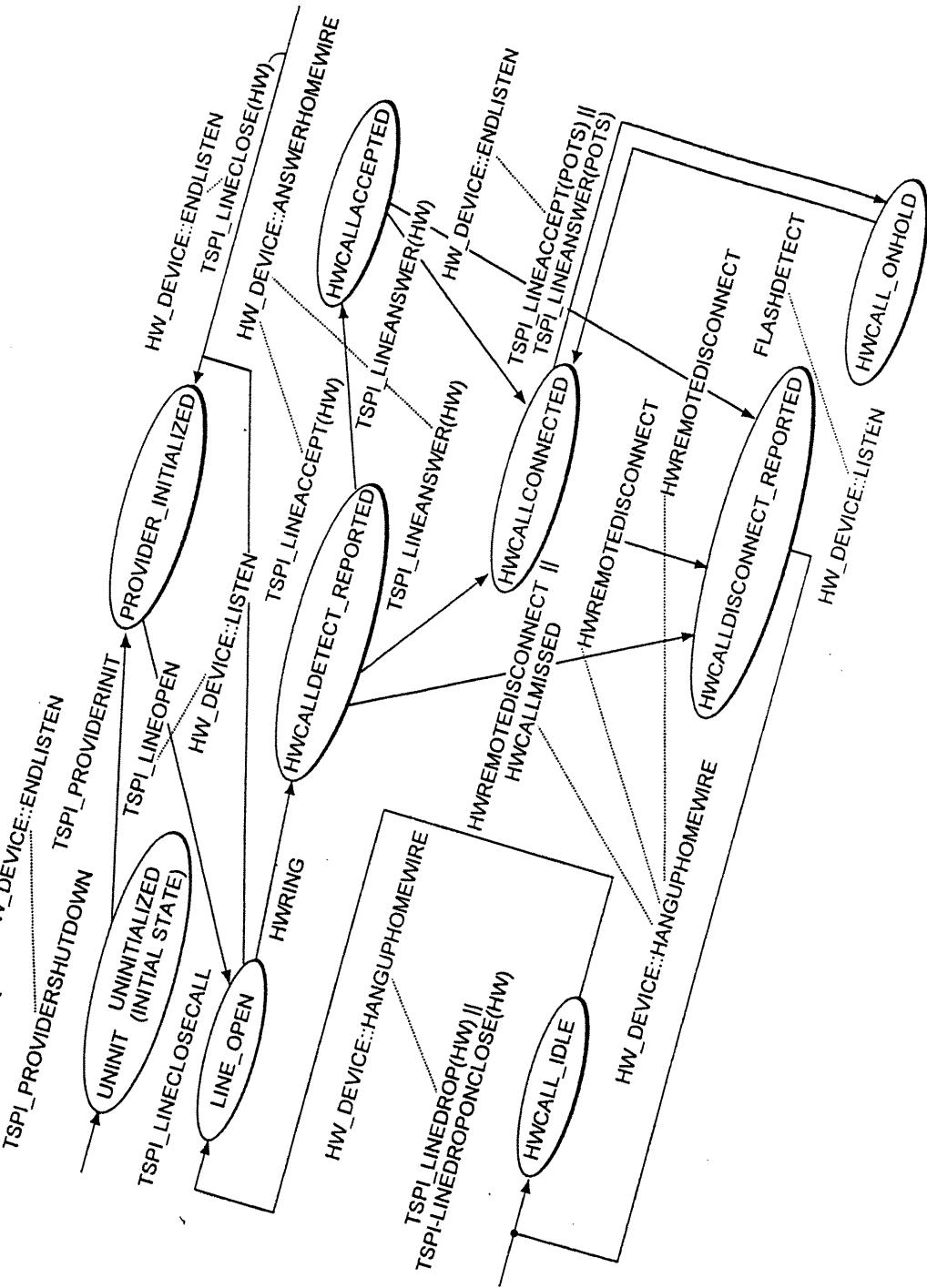
| HW_DEVICE METHOD | CIU CONTROL COMMANDS | EXPECTED ACKNOWLEDGE MESSAGE |
|------------------|----------------------------|------------------------------------|
| RINGPIU | PC_RINGPIU | CIU_STATUS |
| ANSWERPOTS | PC_SEIZELINE | CIU_STATUS |
| HANGUPPOTS | PC_UNSEIZELINE | CIU_STATUS |
| ANSWERHOMEWIRE | PC_HCALLACK | CIU_STATUS |
| HANGUPHOMEWIRE | PC_DROPCIUCARRIER | CIU_STATUS |
| LISTEN | PC_SETMONITORMODE (ON) | CIU_STATUS |
| ENDLISTEN | PC_SETMONITORMODE (OFF) | CIU_STATUS |
| READRINGCOUNT | PC_GETRINGROLLOVER | CIU_RING_ROLLOVER_CURRENT |
| SETRINGCOUNT | PC_SETRINGROLLOVER | CIU_STATUS |

FIG. 18B

| ALERT/STATUS REPORTED BY CIU | NOTIFICATION FROM HW_DEVICE OBJECT TO TSP |
|--|--|
| CIU_STATUS (PIU_CARRIER_DETECTED) | HWRING |
| CIU_STATUS (NOT PIU_CARRIER_DETECTED) | HWCALLMISSIED I HWREMOTEDISSCONNECT I FLASHDETECT |
| CIU_STATUS (OFF-HOOK DETECTED) | POTSOFFHOOKDETECT |
| CIU_STATUS (NOT PARALLEL OFF-HOOK DETECT) | POTSONHOOKDETECT & HWREMOTEDISSCONNECT |
| CIU_ALERT_INFO (RING AVAILABLE) | POTSRING (ALSO ISSUE PC_CLEAR_RING_TRIGGER) |
| CIU_ALERT_INFO (STATUS CHANGED) | NONE (ISSUE PC_GET_STATUS AND USE STATUS INFORMATION CIU_STATUS) |

FIG. 18C

FIG. 19A



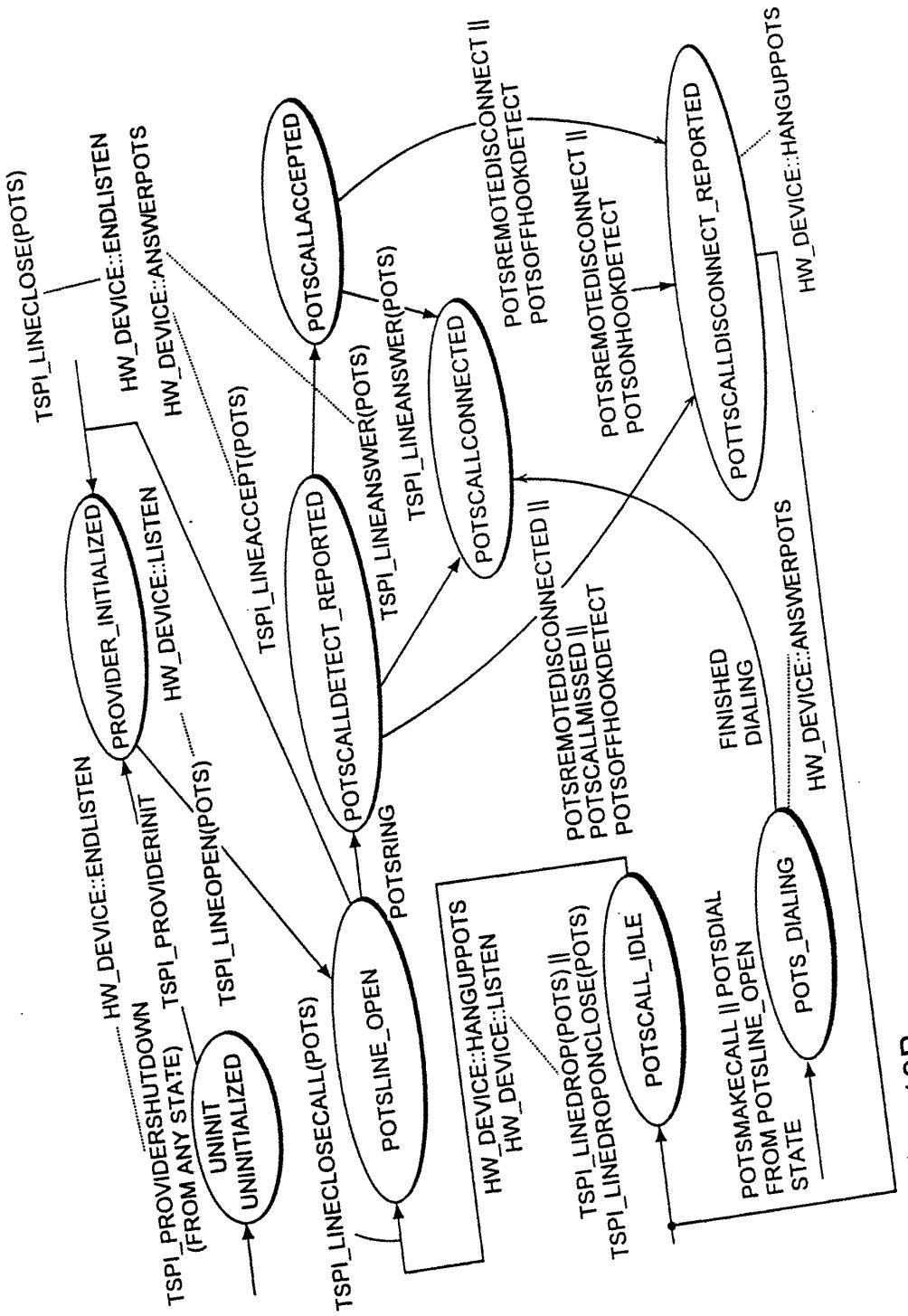


FIG. 19B

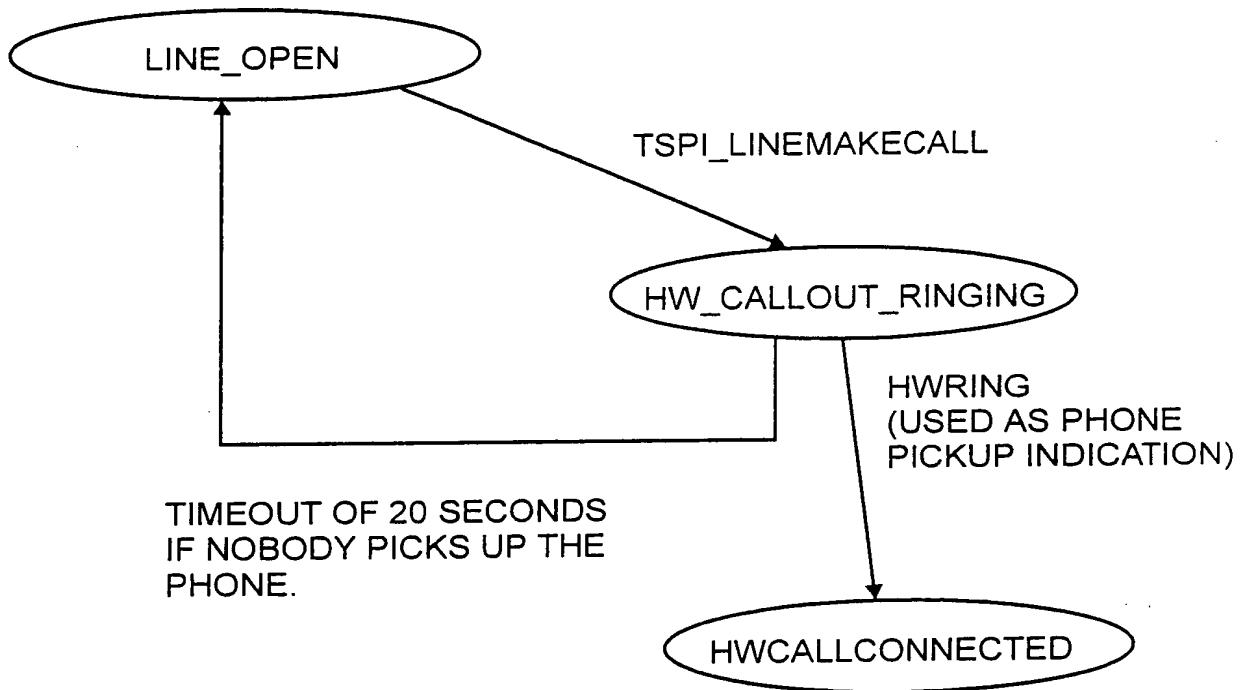


FIG. 19C

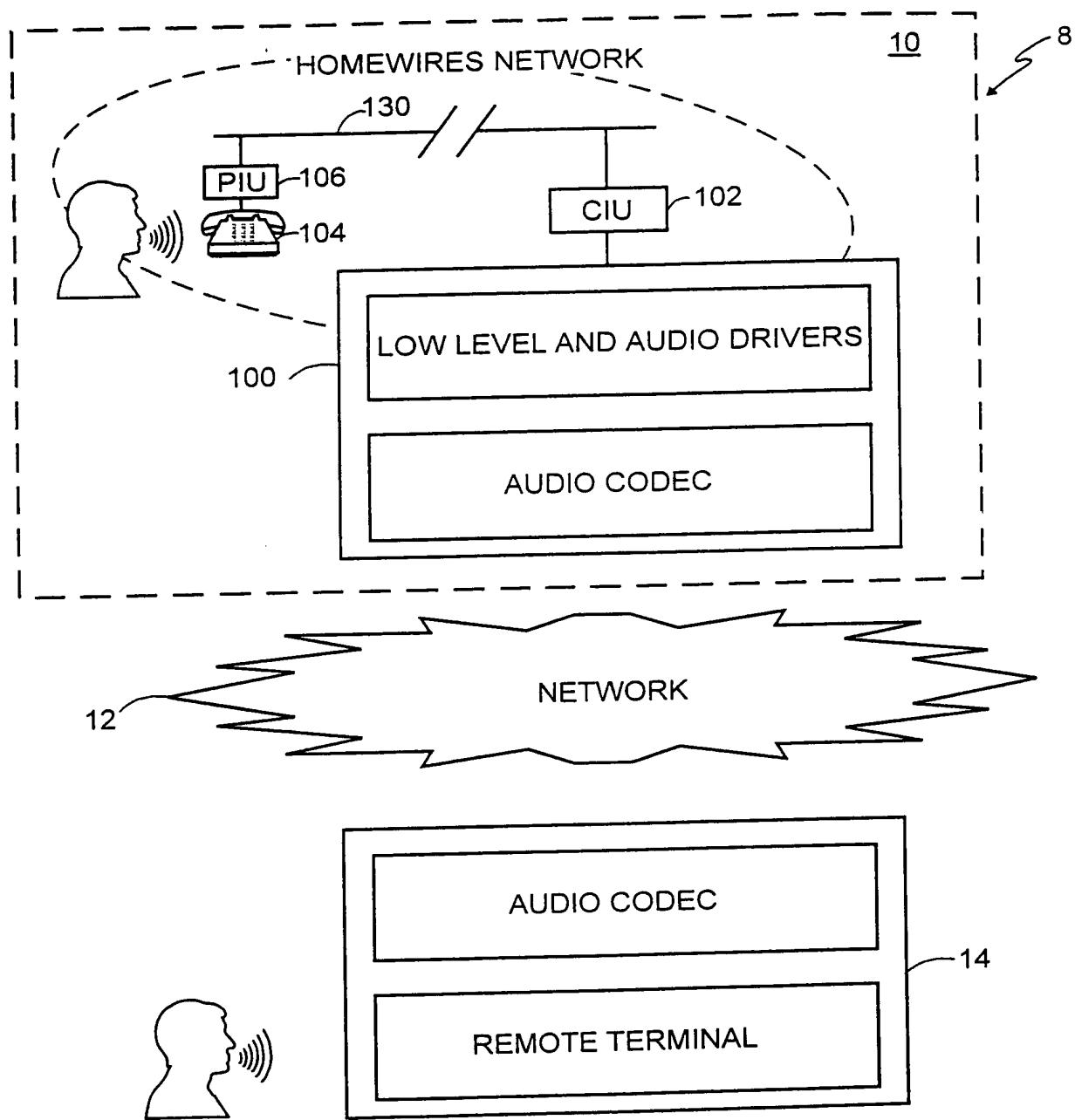


FIG. 20

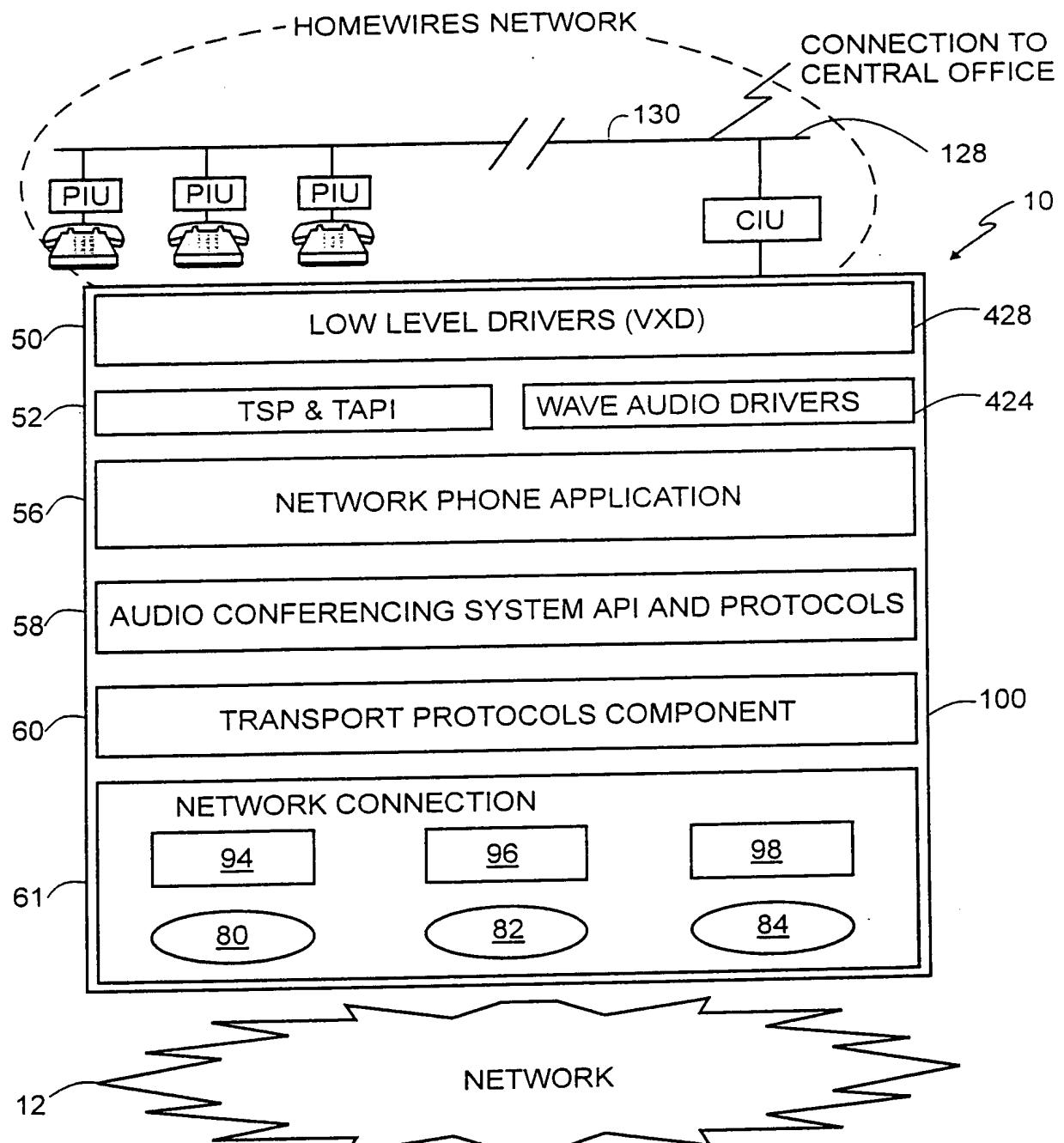


FIG. 21

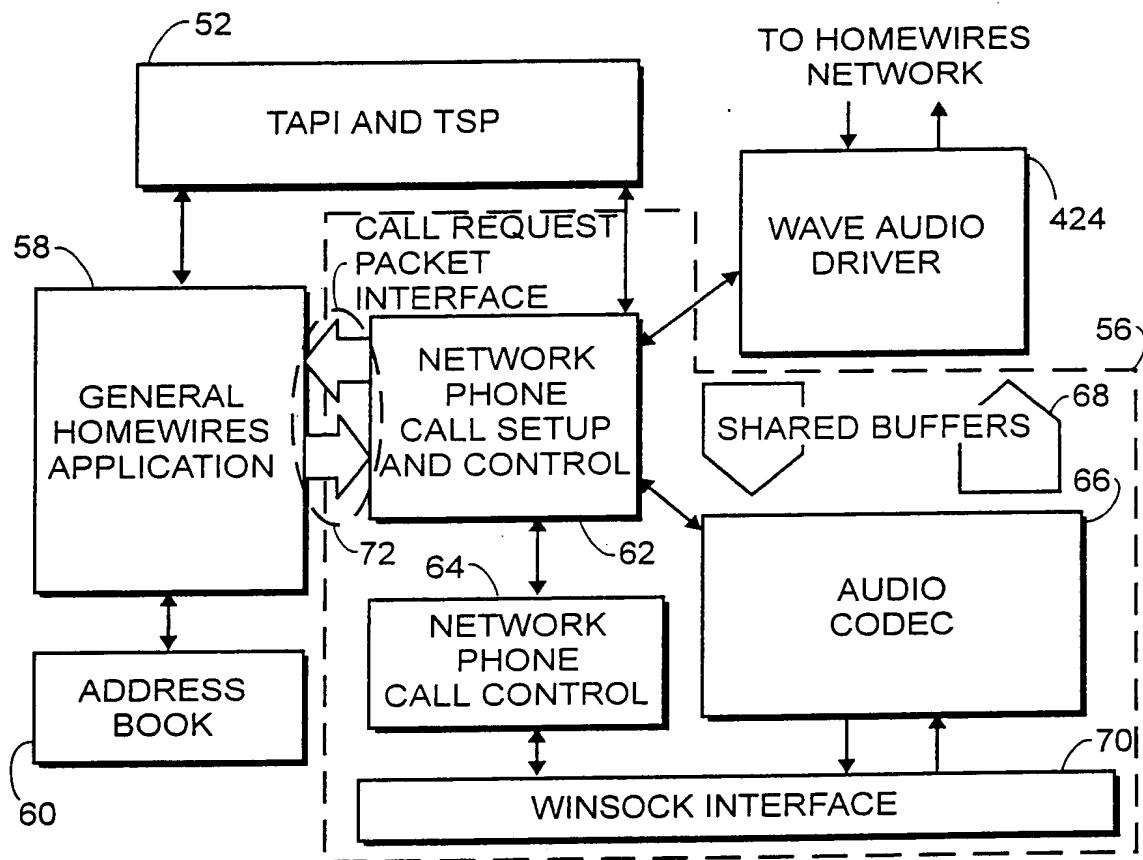


FIG. 22

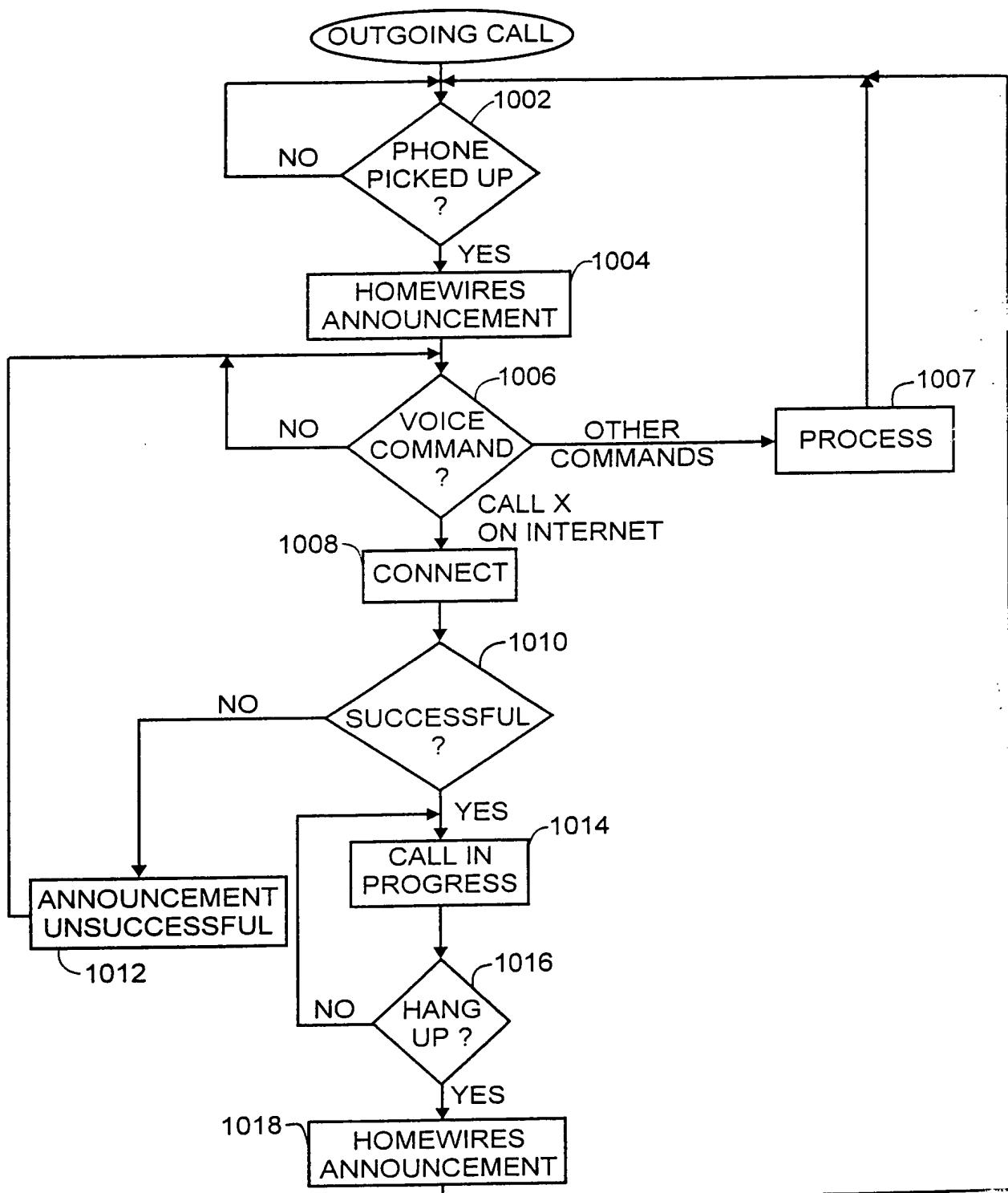


FIG. 23A

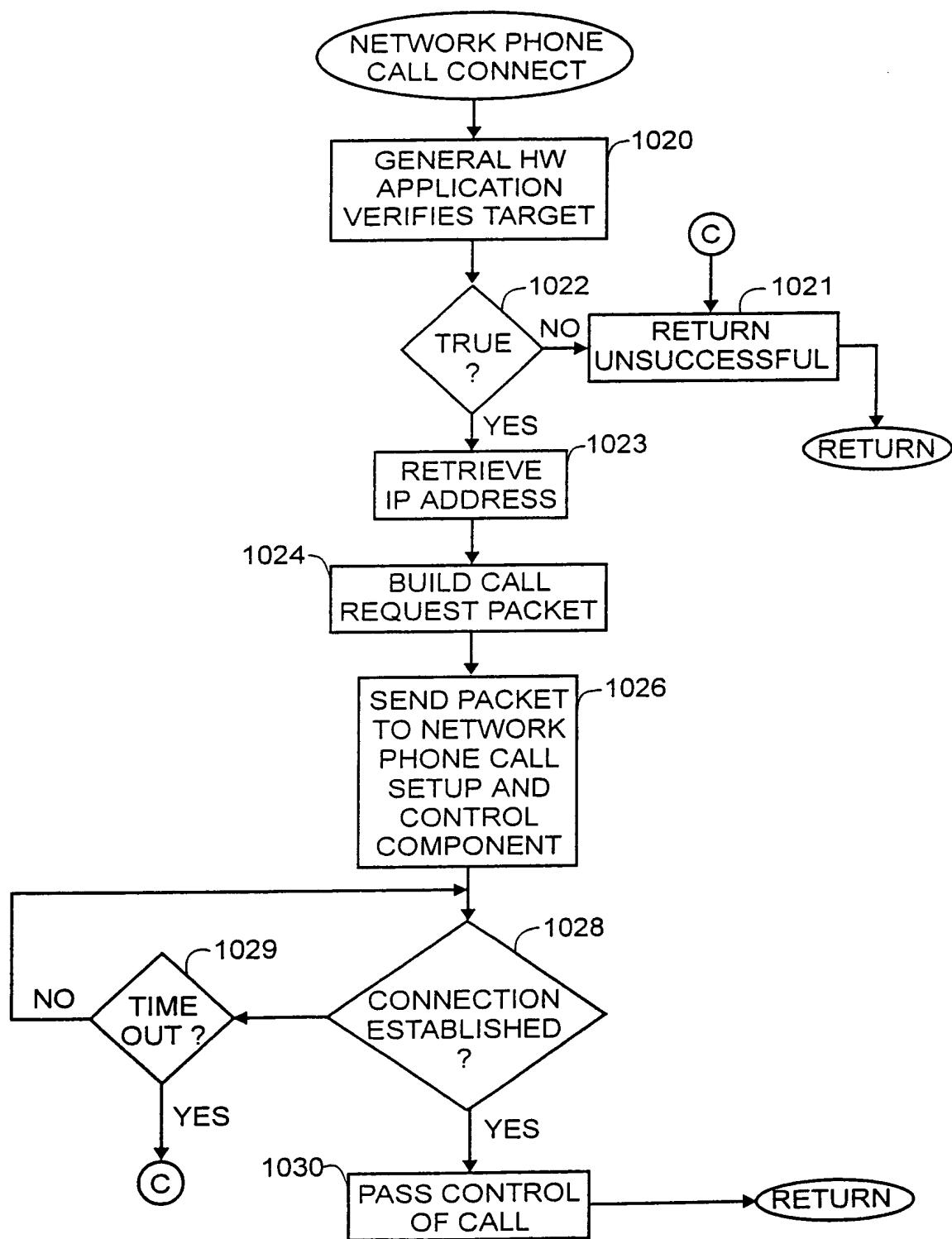


FIG. 23B

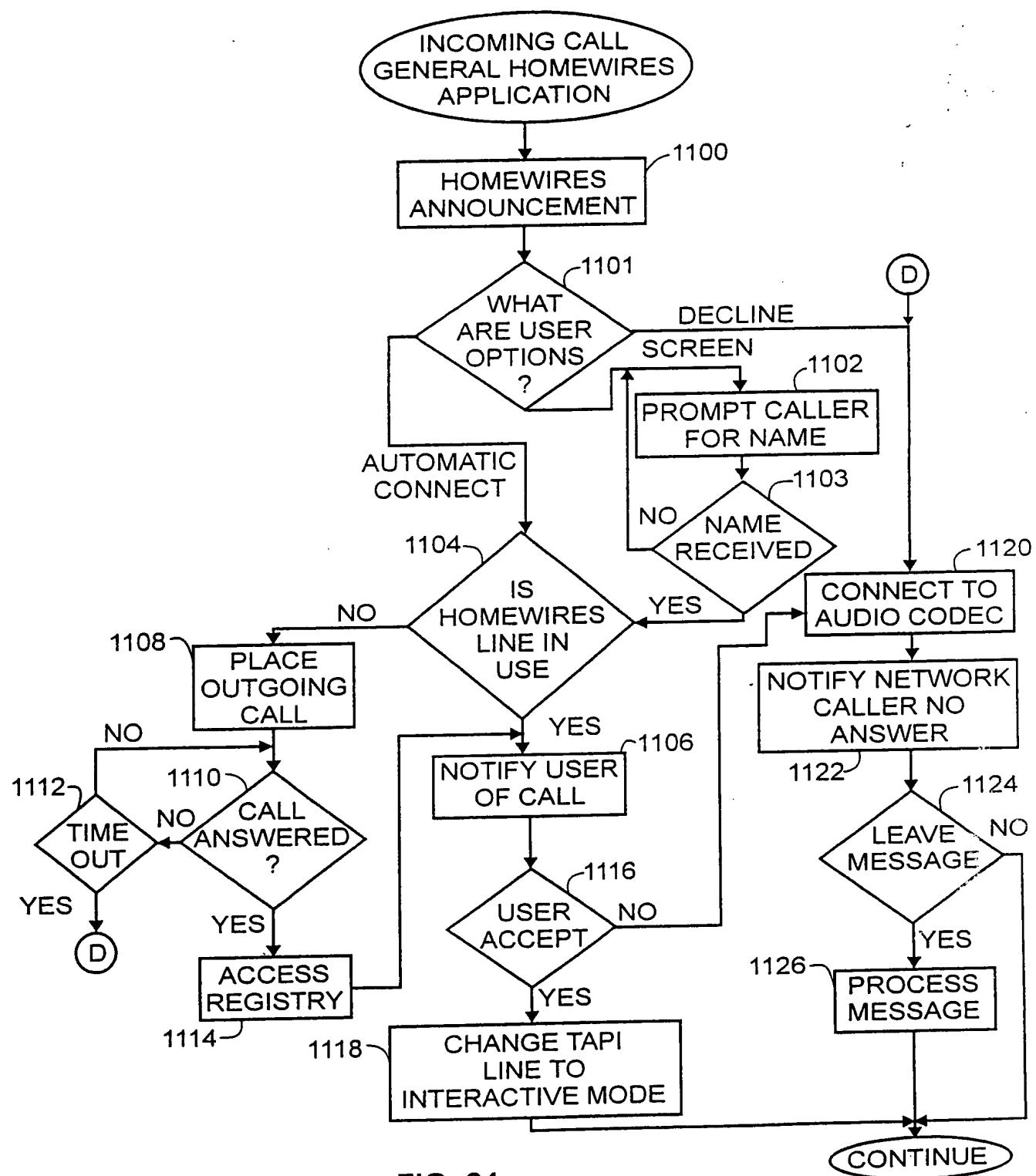


FIG. 24

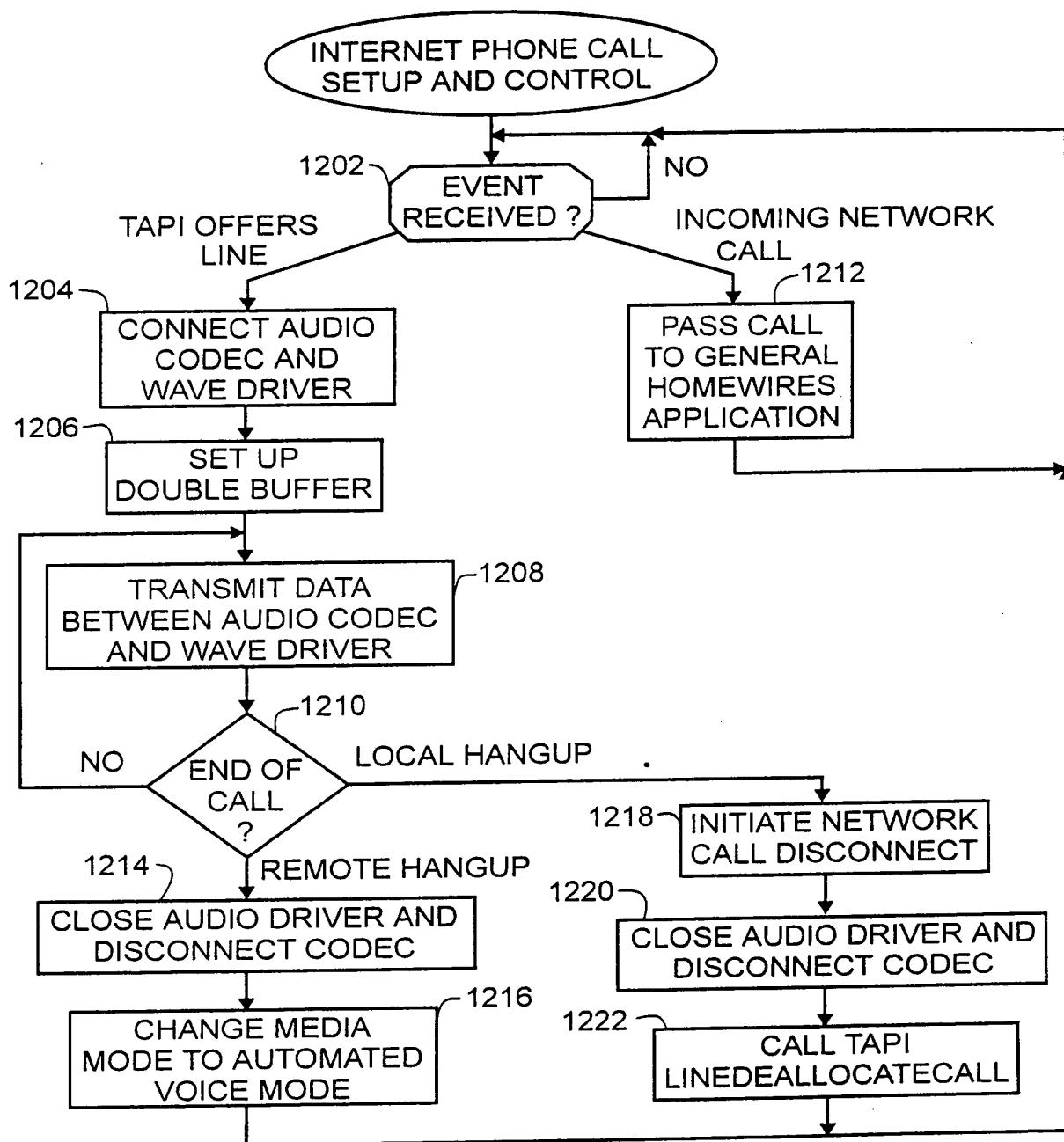


FIG. 25